New Study Finds Hope for Mesothelioma Treatment in Measles Virus, According to Surviving Mesothelioma

Minnesota scientists say a particular strain of the measles virus is especially lethal to malignant mesothelioma cells and may form the basis of a new treatment.

Raleigh, NC (PRWEB) July 13, 2017 -- New research on the Edmonston strain of the measles virus (MV-Edm) suggests that it has the ability to selectively seek out and kill mesothelioma cells while leaving healthy cells alone. Surviving Mesothelioma has more on the new study. Click here to read it now.

Doctors at the University of Minnesota and the Mayo clinic applied MV-Edm to four different strains of mesothelioma cells in the lab to test its potential as a mesothelioma treatment.

“MV-Edm treatment of mesothelioma reduced cell viability and also invoked apoptotic cell death,” reports lead study author, Blake A. Jacobson, PhD.

According to the report in Oncotarget, the reason for the selectivity of the MV-Edm strain is its attraction to the protein CD46 - a protein that is overexpressed by mesothelioma but not by healthy cells.

“These results are especially exciting because the ability to seek out and kill cancer cells means a lower risk of side effects and is the hallmark of a promising mesothelioma treatment,” says Alex Strauss, Managing Editor for Surviving Mesothelioma.

All of the details of the new measles vaccine study, including information about an active clinical trial of the measles-based vaccine, can be found in Mayo Researchers Fight Mesothelioma with Measles Virus, now available on the Surviving Mesothelioma website.


For more than a decade, Surviving Mesothelioma has brought readers the most important and ground-breaking news on the causes, diagnosis and treatment of mesothelioma. All Surviving Mesothelioma news is gathered and reported directly from the peer-reviewed medical literature. Written for patients and their loved ones, Surviving Mesothelioma news helps families make more informed decisions.
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